

CORNELL**Material Safety
Data Sheets**Division of Facilities Services**DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only**

GLUCAGON

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Section 1 - Product and Company Identification
GLUCAGON

Product Identification: GLUCAGON
Date of MSDS: 07/12/1990 **Technical Review Date:** 03/28/1995
FSC: 6505 **NIIN:** 00-065-4204
Submitter: D DG
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: LILLY ELI AND CO PHARMACEUTICAL DIV
Manufacturer's Address1: LILLY CORPORATE CENTER
Manufacturer's Address2: INDIANAPOLIS, IN 46285
Manufacturer's Country: US
General Information Telephone: 317-276-2286
Emergency Telephone: 317-276-2000 800-424-9300(CHEMTREC)
Emergency Telephone: 317-276-2000 800-424-9300(CHEMTREC)
MSDS Preparer's Name: OCC. HEALTH AND SAFETY
Proprietary: N
Reviewed: Y
Published: Y
CAGE: 75602

Special Project Code: N

Item Description

Item Name:
Item Manager:
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: PG
Unit of Issue Quantity: 1
Type of Container: AMPUL

Contractor Information

Contractor's Name: LILLY ELI AND CO PHARMACEUTICAL DIV
Contractor's Address1: LILLY CORPORATE CENTER
Contractor's Address2: INDIANAPOLIS, IN 46285
Contractor's Telephone: 317-276-2000
Contractor's CAGE: 75602

Section 2 - Composition/Information on Ingredients
GLUCAGON

Ingredient Name: GLUCAGON, 1 MG/AMPUL
Ingredient CAS Number: 37221-33-3 Ingredient CAS Code: M
RTECS Number: AA0080000 RTECS Code: M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: UNKNOWN
% Environmental Weight:
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical:

Section 3 - Hazards Identification, Including Emergency Overview
GLUCAGON

Health Hazards Acute & Chronic: REFER TO PACKET INSERT FOR ADVERSE REACTIONS IN CLINICAL USE. SYSTEMIC EFFECTS ARE REDUCED ACTIVITY, LABORED BREATHING, DROOPING UPPER EYELID, ALLERGIC RASH, RESPIRATORY DISTRESS, HYPOTENSION.

Signs & Symptoms of Overexposure:

LABORED BREATHING, ALLERGIC SKIN RASH, DROOPING UPPER EYELIDS, INCREASED HEART RATE, EMBOLUS IN LUNG, ANOREXIA, DECREASED BODY WEIGHT, INCREASED URINE OUTPUT, INCREASED BLOOD SUGAR.

Medical Conditions Aggravated by Exposure:

PERSONS WITH PRE-EXISTING SENSITIVITY TO GLUCAGON, INSULINOMA (TUMORS OF THE INSULIN PRODUCING ORGANS) AND PHEOCHROMOCYTOMA (TUMOR OF THE ADRENAL GLAND) MAY BE AT INCREASED RISK FROM EXPOSURE.

LD50 LC50 Mixture: LD50 INTRAVENOUS MS IS >300MG/KG

Route of Entry Indicators:

Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Indicators

NTP: NO

IARC: NO

OSHA: NO

Carcinogenicity Explanation: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.

Section 4 - First Aid Measures
GLUCAGON**First Aid:**

SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEE DOCTOR. EYES: FLUSH WITH WATER FOR 15 MINUTES. SEE OPHTHAMOLOGIST IMMEDIATELY. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION (MOUTH-TO-MOUTH) IF NEEDED. INGEST: NO FIRST AID NEEDED.

Section 5 - Fire Fighting Measures
GLUCAGON**Fire Fighting Procedures:**

USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire or Explosion Hazard:

THE FINELY DISPURSED DUST FROM THIS PRODUCT IS A FIRE OR EXPLOSION HAZARD IN THE PRESENCE OF SOURCES OF IGNITION.

Extinguishing Media:

USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Flash Point: Flash Point Text: NONE

Autoignition Temperature:

Autoignition Temperature Text: N/K

Lower Limit(s): N/K

Upper Limit(s): N/K

Section 6 - Accidental Release Measures
GLUCAGON**Spill Release Procedures:**

VENTILATE AREA. USE PROPER PROTECTIVE AND RESPIRATORY EQUIPMENT. SWEEP OR VACUUM (USING A VACUUM RATED FOR EXPLOSIVE DUST); DO NOT CREATE DUST; PLACE IN A DRY CONTAINER FOR DISPOSAL. CLEAN SPILL AREA WITH WATER.

Section 7 - Handling and Storage
GLUCAGON**Handling and Storage Precautions:****Other Precautions:**

Section 8 - Exposure Controls & Personal Protection
GLUCAGON**Respiratory Protection:**

WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS/DUST.

Ventilation:

USE A LABORATORY FUME HOOD OR LOCAL EXHAUST.

Protective Gloves:

IMPERVIOUS**Eye Protection:** DUST-PROOF GOGGLES**Other Protective Equipment:** PROTECTIVE CLOTHING, AS NEEDED. PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.**Work Hygienic Practices:** USE REASONABLE CARE IN HANDLING THIS PRODUCT. WASH HANDS AFTER USE AND BEFORE EATING.**Supplemental Health & Safety Information:** ALTERNATE CAS NUMBER FOR GLUCAGON IS 16491-32-5 (AS SUPPLIED BY MFR).

Section 9 - Physical & Chemical Properties
GLUCAGON

HCC: NI**NRC/State License Number:** N/R**Net Property Weight for Ammo:** N/R**Boiling Point:** Boiling Point Text: N/R**Melting/Freezing Point:** Melting/Freezing Text: DECOMPOSES**Decomposition Point:** Decomposition Text: UNKNOWN**Vapor Pressure:** N/R **Vapor Density:** N/R**Percent Volatile Organic Content:****Specific Gravity:** N/R**Volatile Organic Content Pounds per Gallon:****pH:** N/K**Volatile Organic Content Grams per Liter:****Viscosity:** N/R**Evaporation Weight and Reference:** N/R**Solubility in Water:** PRACTICALLY INSOLUBL**Appearance and Odor:** CRYSTALS, FINE; WHITE. ODOR NOT REPORTED.**Percent Volatiles by Volume:** N/K**Corrosion Rate:** UNKNOWN

Section 10 - Stability & Reactivity Data
GLUCAGON

Stability Indicator: YES**Materials to Avoid:**

MOISTURE.

Stability Condition to Avoid:

LIGHT, HEAT (BELOW 122F), MOISTURE.

Hazardous Decomposition Products:

UNIDENTIFIED TOXIC FUMES.

Hazardous Polymerization Indicator: NO**Conditions to Avoid Polymerization:**N/R

Section 11 - Toxicological Information
GLUCAGON

Toxicological Information:N/P

Section 12 - Ecological Information
GLUCAGON

Ecological Information:N/P

Section 13 - Disposal Considerations
GLUCAGON

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Section 14 - MSDS Transport Information
GLUCAGON

Transport Information:

N/P

Section 15 - Regulatory Information
GLUCAGON

SARA Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Section 16 - Other Information
GLUCAGON

Other Information:

N/P

HMIS Transportation Information**Product Identification:** GLUCAGON**Transportation ID Number:** 45655**Responsible Party CAGE:** 75602**Date MSDS Prepared:** 07/12/1990**Date MSDS Reviewed:** 03/28/1995**MFN:** 03/28/1995**Submitter:** D DG**Status Code:** C**Container Information****Unit of Issue:** PG**Container Quantity:** 1**Type of Container:** AMPUL**Net Unit Weight:** 1 MG**Article without MSDS:** N**Technical Entry NOS Shipping Number:****Radioactivity:** N/R**Form:****Net Explosive Weight:** N/R**Coast Guard Ammunition Code:** N/R**Magnetism:** N/P**AF MMAC Code:** NR**DOD Exemption Number:** N/R**Limited Quantity Indicator:****Multiple Kit Number:** 0**Kit Indicator:** N**Kit Part Indicator:** N**Review Indicator:** Y**Additional Data:**

NONE

Department of Transportation Information**DOT Proper Shipping Name:** NOT REGULATED BY THIS MODE OF TRANSPORTATION**DOT PSN Code:** ZZZ**Symbols:** N/R**DOT PSN Modifier:****Hazard Class:** N/R**UN ID Number:** N/R**DOT Packaging Group:** N/R**Label:** N/R**Special Provision(s):** N/R**Packaging Exception:** N/R**Non Bulk Packaging:** N/R**Bulk Packaging:** N/R**Maximum Quantity in Passenger Area:** N/R**Maximum Quantity in Cargo Area:** N/R

Stow in Vessel Requirements: N/R
Requirements Water/Sp/Other: N/R

IMO Detail Information

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO PSN Modifier:
IMDG Page Number: N/R
UN Number: N/R
UN Hazard Class: N/R
IMO Packaging Group: N/R
Subsidiary Risk Label: N/R
EMS Number: N/R
Medical First Aid Guide Number: N/R

IATA Detail Information

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA PSN Modifier:
IATA UN Id Number: N/R
IATA UN Class: N/R
Subsidiary Risk Class: N/R
UN Packaging Group: N/R
IATA Label: N/R
Packaging Note for Passengers: N/R
Maximum Quantity for Passengers: N/R
Packaging Note for Cargo: N/R
Maximum Quantity for Cargo: N/R
Exceptions: N/R

AFI Detail Information

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Symbols:
AFI PSN Code: ZZZ
AFI PSN Modifier:
AFI UN Id Number: N/R
AFI Hazard Class: N/R
AFI Packing Group: N/R
AFI Label: N/R
Special Provisions: N/A
Back Pack Reference: N/A

HAZCOM Label Information

Product Identification: GLUCAGON
CAGE: 75602
Assigned Individual: N
Company Name: LILLY ELI AND CO PHARMACEUTICAL DIV
Company PO Box:
Company Street Address1: LILLY CORPORATE CENTER
Company Street Address2: INDIANAPOLIS, IN 46285 US
Health Emergency Telephone: 317-276-2000 800-424-9300(CHEMTREC)
Label Required Indicator: Y
Date Label Reviewed: 03/28/1995
Status Code: C
Manufacturer's Label Number: UNKNOWN
Date of Label: 03/28/1995
Year Procured: N/K
Organization Code: F
Chronic Hazard Indicator: N/P
Eye Protection Indicator: YES
Skin Protection Indicator: YES
Respiratory Protection Indicator: YES
Signal Word: CAUTION
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Slight
Reactivity Hazard: None

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